Drilling Logs of Government Core Drills 1981

compiled by
Ian MacDougall and D.E. Polley

Department of
Mines and Energy

Nova Scotia
Department of
Mines and Energy

Report 82-6

DRILLING LOGS

OF

GOVERNMENT CORE DRILLS

1981

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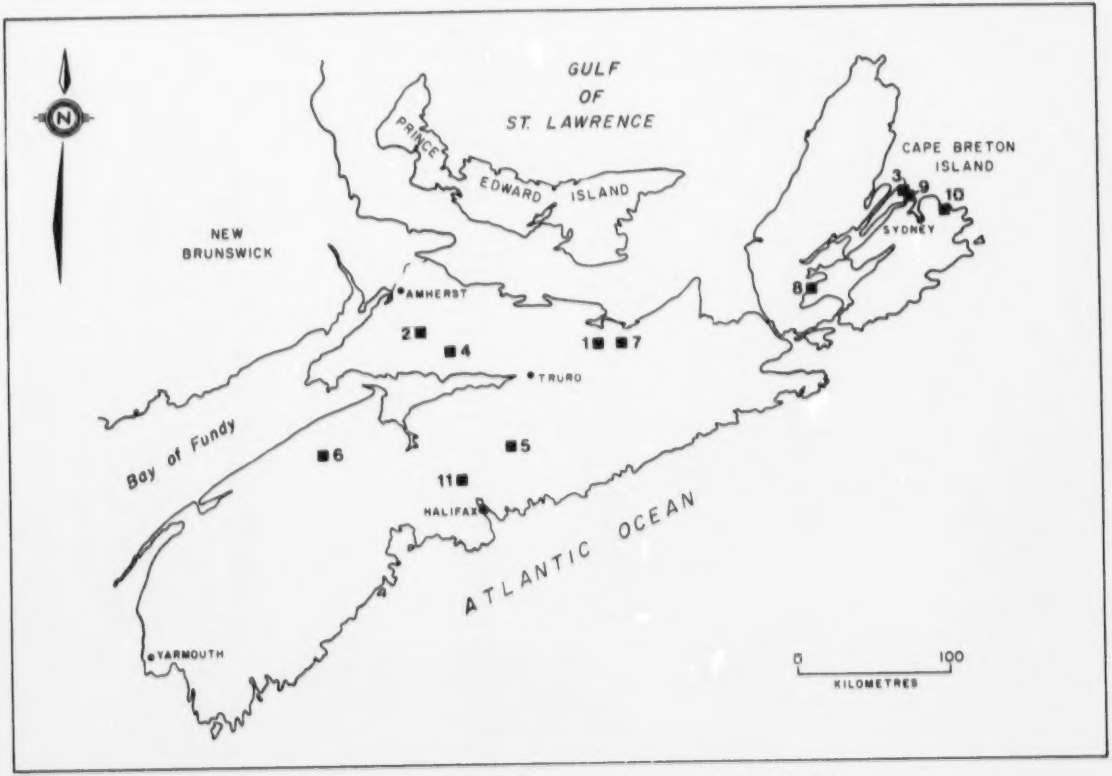
Ian MacDougall and D.E. Polley

Honourable Ron Barkhouse, Minister
John J. Laffin, P.Eng., Deputy Minister
HALIFAX, NOVA SCOTIA
1982



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DRILLING LOGS OF GOVERNMENT CORE DRILLS

1981

Ian MacDougall[1] and D. E. Polley[2]

During the year 1981 the Department of Mines and Energy's drills were used on a number of projects. These included exploration for coal, barite, base metals, uranium and for structural studies. This report contains the drillers' logs for 161 drillholes with a total footage of 25 806 feet (7865.7 m). On two occasions this report carries into 1982 to complete projects started in 1981. These are in Glace Bay, Cape Breton County, (for Jacques, Whitford and Associates) and in Lewis Lake, Halifax County (Nova Scotia Department of Mines and Energy).

Note that some holes are logged in metres and some are logged in feet as indicated.

The authors would like to acknowledge the willing assistance of Mrs. Lois Taever with this publication through the years.

Pictou Energy Ltd. used Department of Mines and Energy drills to drill twelve holes for coal in Westville, Pictou County. The work was carried out between January 20 and February 4, 1981. All holes are vertical and located on Map Sheet 11E/10A (Fig. 1).

Record No. 7344

Borehole No. S-1 is in Tract 39, Claim D.

Strata	Thickness (m)	Total Depth (m)
Overburden	9.2	9.2
Shale, grey and black	21.7	30.9

Record No. 7345

Borehole No. S-2 is in Tract 39, Claim D.

Strata	Thickness (m)	Total Depth (m)
Overburden	9.7	9.7
Shale, grey and black	34.2	43.9
Coal and shale, black	3.5	47.4
Shale	2.2	49.6

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Record No. 7346

Borehole No. 35 is in Tract 39, Claim D.

Strata	Thickness (m)	Total Depth (m)
Overburden	6.4	6.4
Shale, grey	3.5	9.9
Coal	4.9	14.8
Shale, grey	2.6	17.4

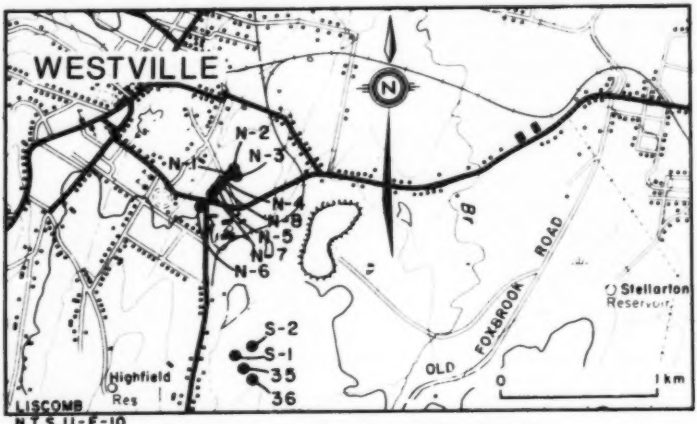


Figure 1. Westville, Pictou County

Record No. 7347

Borehole No. 36 is in Tract 39, Claim D.

Strata	Thickness (m)	Total Depth (m)
Overburden	6.1	6.1
Shale, grey and black	18.3	24.4
Coal	5.0	29.4
Shale	3.0	32.4

Record No. 7348

Borehole No. N-1 is in Tract 39, Claim N.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden, ashes and sand	14.0	14.0
Shale, black	21.0	35.0
Coal	2.0	37.0
Shale, grey and black	7.0	44.0
Coal	7.0	51.0
Clay and shale, grey	12.0	63.0

Record No. 7349

Borehole No. N-2 is in Tract 39, Claim N.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden, ashes and sand	12.0	12.0
Gravel and clay, brown	5.0	17.0
Coal	11.0	28.0
Clay, grey	5.0	33.0

Record No. 7350

Borehole No. N-3 is in Tract 39, Claim N.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden, ashes and sand	16.0	16.0
Gravel and clay, brown	1.0	17.0
Coal	5.0	22.0
Clay, grey	3.0	25.0

Record No. 7351

Borehole No. N-4 is in Tract 39, Claim N.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden, ashes and clay	16.0	16.0
Clay and pebbles, grey	11.0	27.0
Shale, broken, black	58.0	85.0
Coal	2.0	87.0
Shale, black	1.0	88.0

Record No. 7352

Borehole No. N-5 is in Tract 39, Claim N.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden, ashes and clay	19.0	19.0
Shale, black	46.0	65.0
Coal	19.0	84.0
Shale, black	3.0	87.0

Record No. 7353

Borehole No. N-6 is in Tract 38, Claim Q.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden, ashes and clay	20.0	20.0
Shale, grey	61.0	81.0
Coal	11.0	92.0
Shale and sandstone, grey	8.0	100.0

Record No. 7354

Borehole No. N-7 is in Tract 39, Claim N.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden, ashes and clay	15.0	15.0
Coal	12.0	27.0
Shale, grey	6.0	33.0

Record No. 7355

Borehole No. N-8 is in Tract 39, Claim N.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden, ashes and clay	17.0	17.0
Shale	109.0	126.0
Coal	12.0	138.0
Shale, grey	5.0	143.0

From January 26 to April 21 there were 36 holes drilled in Springhill, Cumberland County. This drilling was done for the Coal Inventory Survey and was a continuation of work done the previous year. The purpose was to prove sufficient quantity of coal to open a new mine. All holes are vertical (Fig. 2).

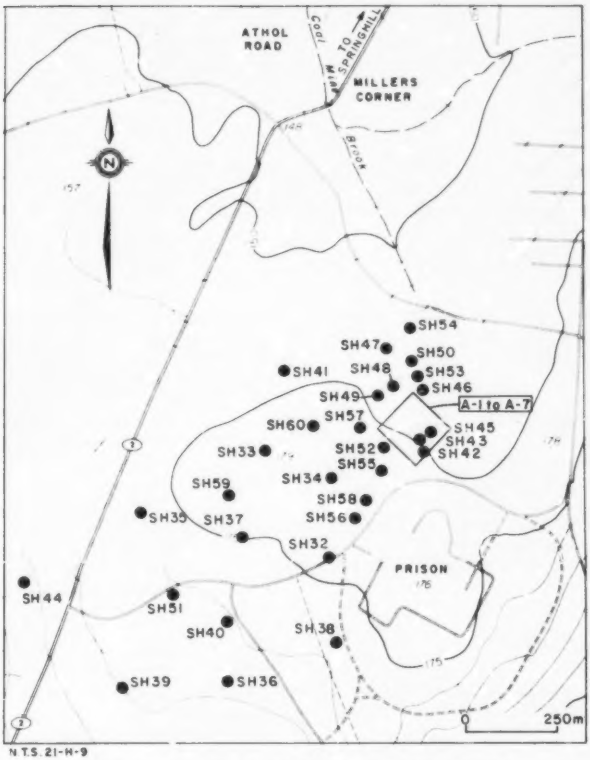


Figure 2. Springhill, Cumberland County

Record No. 7356

Borehole No. SH-32 is located by Map Reference 21H/9A-100-0.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden	8.0	8.0
Clay and shale, grey	58.0	66.0
Shale and clay, grey	40.0	106.0
Shale, small seams of coal	50.0	156.0
Clay and shale, grey	120.0	276.0
Shale and sandstone, grey	130.0	406.0
Shale, grey	20.0	426.0
Coal	6.0	432.0

Clay and shale	14.0	446.0
Shale, grey	54.0	500.0
Coal	6.0	506.0
Shale, grey	25.0	531.0
Coal	6.0	537.0
Shale, grey	55.0	592.0

Record No. 7357

Borehole No. SH-33 is located by Map Reference 21H/9D-4-C.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden, sand and clay	10.0	10.0
Shale, grey and black	76.0	86.0
Shale and sandstone, grey	6.0	92.0
Coal	4.0	96.0
Shale, grey	70.0	166.0
Sandstone and shale, grey	119.0	285.0
Coal	6.0	291.0
Sandstone, grey	35.0	326.0
Sandstone and shale, grey	42.0	368.0
Coal	7.0	375.0
Coal and shale, black	11.0	386.0
Conglomerate, grey	20.0	406.0
Shale, sandstone and conglomerate, grey	148.0	554.0
Coal	3.0	557.0
Shale and conglomerate, grey	29.0	586.0

Record No. 7358

Borehole No. SH-34 is located by Map Reference 21H/9D-4-C.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden	27.0	27.0
Shale, grey, very soft	46.0	73.0
Shale and sandstone	145.0	218.0
Coal	6.0	224.0
Shale and sandstone	67.0	291.0
Coal	6.0	297.0
Shale and sandstone, grey	39.0	336.0
Sandstone, grey	5.0	341.0
Shale, grey	36.0	377.0
Coal	6.0	383.0
Shale with coal stringers	23.0	406.0
Shale, grey, broken	32.0	438.0

Record No. 7359

Borehole No. SH-35 is located by Map Reference 21H/9D-4-D.

Strata	Thickness (m)	Total Depth (m)
Overburden, sand, clay	9.2	9.2
Sandstone, shale, grey and red	23.2	32.4
Shale, grey	22.4	54.8
Coal	0.6	55.4
Sandstone and shale, grey and red	50.3	105.7
Shale and sandstone, grey	25.1	130.8
Coal	2.2	133.0
Shale, grey and black, sandy	29.2	152.2
Coal	1.5	153.7
Sandstone, grey	15.3	169.0
Shale, grey	6.3	175.3
Coal	1.8	177.1
Shale, mixed with coal	9.9	187.0
Shale, grey and black	12.0	199.0

Record No. 7360

Borehole No. SH-36 is located by Map Reference 21H/9A-100-N.

Strata	Thickness (ft.)	Total Depth (ft.)
No log available	45.0	45.0
Sandstone and shale, grey	31.0	76.0
Shale and sandstone, grey	80.0	156.0
Sandstone and shale, grey	40.0	196.0
Shale, sandstone, small coal seams	80.0	276.0
Shale and sandstone, grey	123.0	399.0
Coal and shale	7.0	406.0
Shale and sandstone	135.0	541.0
Coal	8.0	549.0
Shale, grey	17.0	566.0
Coal and shale, black	4.0	570.0
Shale, grey, stringers of coal	56.0	626.0
Shale, grey	116.0	742.0

Record No. 7361

Borehole No. SH-37 is located by Map Reference 21H/9D-4-D.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden, sand	22.0	22.0
Shale and sandstone, grey and red	155.0	177.0
Shale, grey	73.0	250.0
Shale, grey and black	127.0	377.0
Shale and sandstone, grey	128.0	505.0
Coal	7.0	512.0

Shale and sandstone	59.0	571.0
Coal	7.0	578.0
Shale and sandstone, grey	49.0	627.0
Coal	8.0	635.0
Shale and sandstone, grey	22.0	657.0

Record No. 7362

Borehole No. SH-38 is located by Map Reference 21H/9A-100-O.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden	21.0	21.0
Shale, grey	235.0	256.0
Shale and sandstone, grey	100.0	356.0
Coal and shale	10.0	366.0
Shale and sandstone, grey	130.0	496.0
Shale, grey	36.0	532.0

Record No. 7363

Borehole No. SH-39 is located by Map Reference 21H/9A-100-N.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden	8.0	8.0
Shale and sandstone, grey and red	224.0	232.0
Sandstone, shale and conglomerate, grey and black	95.0	327.0
Shale, sandy, grey	90.0	417.0
Sandstone and shale, grey	200.0	617.0
Shale, grey	32.0	649.0
Coal	10.0	659.0
Shale and coal	23.0	682.0
Siltstone, grey	38.0	720.0

Record No. 7364

Borehole No. SH-40 is located by Map Reference 21H/9A-100-N.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden, sand, clay and gravel	8.0	8.0
Shale, grey and black	239.0	247.0
Shale and sandstone, grey	70.0	317.0
Shale, grey	30.0	347.0
Sandstone and shale, grey	150.0	497.0
Shale and sandstone, grey	27.0	524.0
Coal	10.0	534.0
Shale and sandstone, grey	23.0	557.0
Shale and coal	10.0	567.0
Sandstone and shale, grey	28.0	595.0
Coal	2.0	597.0
Sandstone, grey	55.0	652.0

Record No. 7365

Borehole No. SH-41 is located by Map Reference 21H/9D-4-F.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden, sand and clay	5.0	5.0
Broken sandstone and shale, grey	27.0	32.0
Shale, grey	19.0	51.0
Sandstone and shale, grey	90.0	141.0
Coal	4.0	145.0
Shale, green and red	42.0	187.0
Sandstone and shale	90.0	277.0
Soft shale	80.0	357.0
Shale, grey	14.0	371.0
Coal	11.0	382.0
Shale, grey and black	45.0	427.0
Coal and shale, black	10.0	437.0
Sandstone and shale, grey and black	56.0	493.0
Coal and shale, grey and black	8.0	501.0
Sandstone and shale, grey and black	32.0	533.0

Record No. 7366

Borehole No. SH-42 is located by Map Reference 21H/9D-4-B.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden	12.0	12.0
Sandstone, grey	14.0	26.0
Coal	1.0	27.0
Sandstone, grey	59.0	66.0
Shale, grey	8.0	74.0
Coal	4.0	78.0
Clay and shale, grey	2.0	80.0
Coal	2.0	82.0
Shale, grey	14.0	96.0
Shale and sandstone, grey	120.0	216.0

Record No. 7367

Borehole No. SH-43 is located by Map Reference 21H/9D-4-B.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden	14.0	14.0
Shale and sandstone, grey	52.0	66.0
Coal	6.0	72.0
Siltone and sand, grey	13.0	85.0

Record No. 7368

Borehole No. SH-44 is located by Map Reference 21H/9D-101-Q.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden, sand and clay	8.0	8.0
Broken sandstone, grey	20.0	28.0
Sandstone	39.0	67.0
Shale, red and grey	80.0	147.0
Sandstone and shale, grey and red	85.0	232.0
Shale, grey and red	21.0	253.0
Coal	2.0	255.0
Shale, grey and red	80.0	335.0
Coal and shale, black and grey	4.0	339.0
Shale, grey	58.0	397.0
Sandstone, grey	50.0	447.0
Sandy shale, grey	61.0	508.0
Coal	5.0	513.0
Shale, grey	64.0	577.0
Sandstone and shale, grey	220.0	797.0
Shale, grey	13.0	810.0
Coal	7.6	817.6
Shale and coal	3.6	821.2
Sandstone and shale, grey	56.0	877.2
Shale, grey	5.0	882.2
Coal	8.0	890.2
Sandstone and shale, grey	76.0	966.2
Coal	8.0	974.2
Shale, grey	3.0	977.2
Coal and shale	10.0	987.2
Shale and sandstone	15.0	1002.2

Record No. 7369

Borehole No. SH-45 is located by Map Reference 21H/9D-4-B.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden	15.0	15.0
Clay and siltstone, grey	35.0	50.0
Coal and shale, black	12.0	62.0
Shale, grey	34.0	96.0

Record No. 7370

Borehole No. SH-46 is located by Map Reference 21H/9D-4-G.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden	23.0	23.0
Sand and clay	13.0	36.0
Clay and siltstone, grey	64.0	100.0

Record No. 7371

Borehole No. SH-47 is located by Map Reference 21H/9D-4-F.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden	5.0	5.0
Shale and sandstone, red and grey	102.0	107.0
Coal	5.0	112.0
Shale, grey	1.0	113.0
Shale and sandstone, grey	65.0	178.0
Shale, grey	18.0	196.0
Coal	6.0	202.0
Shale and sandstone	106.0	308.0
Coal	21.0	329.0
Shale, grey	9.0	338.0

Record No. 7372

Borehole No. SH-48 is located by Map Reference 21H/9D-4-F.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden	13.0	13.0
Clay and shale, grey	13.0	26.0
Shale and sandstone, grey	60.0	86.0
Coal	6.0	92.0
Sandstone	4.0	96.0
Shale and sandstone	69.0	165.0
Coal and shale, black	13.0	178.0
Shale, grey	24.0	202.0

Record No. 7373

Borehole No. SH-49 is located by Map Reference 21H/9D-4-F.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden	8.0	8.0
Shale and sandstone, grey	74.0	82.0
Coal	4.0	86.0
Shale, grey	11.0	97.0
Shale and sandstone	65.0	162.0
Coal	15.0	177.0
Shale, grey	77.0	254.0

Record No. 7374

Borehole No. SH-50 is located by Map Reference 21H/9D-4-G.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden	10.0	10.0
Shale and sandstone, grey	28.0	38.0
Coal	6.0	44.0
Shale, sandy, broken	59.0	103.0
Shale and sandstone, grey	19.0	122.0
Coal	6.0	128.0
Sandstone, grey	22.0	150.0

Record No. 7375

Borehole No. SH-51 is located by Map Reference 21H/9A-100-N.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden	22.0	22.0
Shale and sandstone, grey	194.0	216.0
Coal	2.0	218.0
Shale, grey	69.0	287.0
Shale and sandstone, grey and black	393.0	680.0
Coal	7.0	687.0
Sandstone and shale, grey	64.0	751.0
Coal and shale, grey and black	4.0	755.0
Shale, grey	12.0	767.0
Shale and coal, grey and black	36.0	803.0

Record No. 7376

Borehole No. SH-52 is located by Map Reference 21H/9D-4-C.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden	12.0	12.0
Shale, grey	105.0	117.0
Shale and sandstone, grey	70.0	187.0
Shale and clay, grey	32.0	219.0
Coal	10.0	229.0
Shale and sandstone, grey	12.0	241.0
Coal and shale	2.0	243.0
Shale, grey	10.0	253.0

Record No. 7377

Borehole No. SH-53 is located by Map Reference 21H/9D-4-G.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden	19.0	19.0
Shale and sandstone, grey	13.0	32.0
Coal	6.0	38.0
Shale, grey	66.0	104.0
Coal	5.0	109.0
Shale, grey	9.0	118.0
Shale and sandstone, grey	13.0	131.0

Record No. 7378

Borehole No. SH-54 is located by Map Reference 21H/9D-4-G.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden	18.0	18.0
Shale, grey	22.0	40.0
Shale and sandstone, grey	61.0	101.0
Coal	6.0	107.0
Shale and sandstone, grey	120.0	227.0
Coal and shale, black	18.0	245.0
Shale and sandstone, grey	20.0	265.0

Record No. 7379

Borehole No. SH-55 is located by Map Reference 21H/9D-4-C.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden	8.0	8.0
Clay and shale, grey	34.0	42.0
Coal	1.0	43.0
Shale and clay, grey	14.0	57.0
Shale and sandstone, grey	91.0	148.0
Coal	6.0	154.0
Shale and clay, grey	3.0	157.0
Shale and sandstone, grey	60.0	217.0
Coal	6.0	223.0
Clay and shale, grey	14.0	237.0
Shale, grey	63.0	300.0
Coal	7.0	307.0
Shale, grey	16.0	323.0

Record No. 7380

Borehole No. SH-56 is located by Map Reference 21H/9D-4-C.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden	6.0	6.0
Shale, grey	111.0	117.0
Shale and sandstone, grey	73.0	190.0
Shale and coal	4.0	194.0
Shale, grey	3.0	197.0
Sandstone and shale, grey	105.0	302.0
Coal	6.0	308.0
Shale, grey	4.0	312.0
Shale and coal	1.0	313.0
Sandstone and shale, grey	53.0	366.0
Coal	6.0	372.0
Sandstone, grey	5.0	377.0
Shale, grey	59.0	436.0
Coal	6.0	442.0
Coal and shale	11.0	453.0

Record No. 7381

Borehole No. SH-57 is located by Map Reference 21H/9D-4-C.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden	9.0	9.0
Shale and sandstone, grey	72.0	81.0
Coal	5.0	86.0
Shale and sandstone, grey	60.0	146.0
Sandstone	9.0	155.0
Coal	5.0	160.0
Shale and sandstone, grey	55.0	215.0
Shale, grey	32.0	247.0
Coal and shale, grey and black	14.0	261.0
Shale and sandstone	21.0	282.0

Record No. 7382

Borehole No. SH-58 is located by Map Reference 21H/9D-4-C.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden	16.0	16.0
Shale, grey	111.0	127.0
Shale and sandstone, grey	132.0	259.0
Coal	7.0	266.0
Shale, grey	57.0	323.0

Coal	6.0	329.0
Shale, grey	57.0	386.0
Coal	6.0	392.0
Shale, grey	5.0	397.0
Coal and shale	26.0	423.0

Record No. 7383

Borehole No. SH-59 is located by Map Reference 21H/9D-4-D.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden	16.0	16.0
Sandstone, grey	61.0	77.0
Shale with coal stringers	100.0	177.0
Coal and shale	6.0	183.0
Shale, grey	94.0	277.0
Shale and sandstone, grey	200.0	477.0
Shale, grey	10.0	487.0
Coal	8.0	495.0
Shale, grey	51.0	546.0
Coal	5.0	551.0
Shale, grey	25.0	576.0
Coal and shale, black	5.0	581.0
Shale, grey	24.0	605.0

Record No. 7384

Borehole No. SH-60 is located by Map Reference 21H/9D-4-C.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden	17.0	17.0
Shale and clay, grey	72.0	89.0
Clay and shale, grey	108.0	197.0
Shale and sandstone, grey	45.0	242.0
Coal	6.0	248.0
Shale and sandstone, grey	79.0	327.0
Shale, grey	15.0	342.0
Coal	14.0	356.0
Shale and coal	26.0	382.0

There was a group of seven shallow holes drilled near the coal outcrop (Springhill, Cumberland County). They are numbered A-1 to A-7 and all are located by Map Reference 21H/9D-4-C. They are close to SH-52. The holes were drilled with a tricone bit so they were not cored.

Record No. 7385

Borehole No. A-1.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden	11.0	11.0
Sandstone, grey	16.0	27.0
Clay and shale, grey	15.6	42.6
Coal	4.4	47.0
Shale, grey	3.0	50.0

Record No. 7386

Borehole No. A-2.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden	10.0	10.0
Sandstone, grey	13.0	23.0
Shale, grey	18.0	41.0
Coal	5.0	46.0
Clay and shale, grey	4.0	50.0

Record No. 7387

Borehole No. A-3.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden	6.0	6.0
Sandstone, grey	5.0	11.0
Shale and clay, grey	12.0	23.0
Coal	5.0	28.0
Clay and shale, grey	4.0	32.0

Record No. 7388

Borehole No. A-4.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden	11.0	11.0
Clay and shale, grey	14.0	25.0
Coal	6.0	31.0
Clay and shale, grey	5.0	36.0

Record No. 7389

Borehole No. A-5.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden	11.0	11.0
Shale and clay, grey	4.0	15.0
Sandstone, grey	30.0	45.0

Record No. 7390

Borehole No. A-6.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden	9.0	9.0
Shale and sandstone, grey	17.0	26.0
Shale and clay, grey	39.0	65.0

Record No. 7391

Borehole No. A-7.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden	11.0	11.0
Sandstone, grey	15.0	26.0
Shale, clay and sandstone, grey	34.0	60.0

Department of Mines and Energy drills were hired by Novaco to drill for coal in Point Aconi, Cape Breton County. From February 16 to March 12, 1981, there were twelve holes put down; and from October 5 to November 19, seventeen more holes were drilled. All holes are vertical. All holes are located on Map Sheet 11K/8B (Fig. 3).

Record No. 7392

Borehole No. 1-81 is in Tract 43, Claim O.

Strata	Thickness (m)	Total Depth (m)
Overburden	2.5	2.5
Shale	12.5	15.0
Coal and shale	1.0	16.0
Shale and sandstone	4.0	20.0

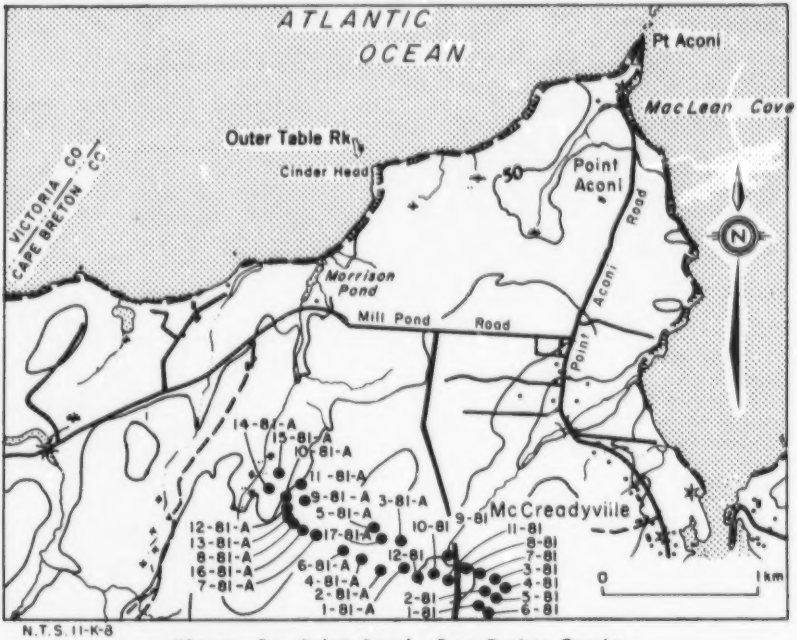


Figure 3. Point Aconi, Cape Breton County

Record No. 7393

Borehole No. 2-81 is in Tract 51, Claim C.

Strata	Thickness (m)	Total Depth (m)
Overburden	2.5	2.5
Shale	17.5	20.0
Coal	1.3	21.3
Sandstone and shale	5.1	26.4

Record No. 7394

Borehole No. 3-81 is in Tract 51, Claim C.

Strata	Thickness (m)	Total Depth (m)
Overburden	2.7	2.7
Shale	20.8	23.5
Coal	1.4	24.9
Shale and sandstone	4.5	29.4

Record No. 7395

Borehole No. 4-81 is in Tract 51, Claim C.

Strata	Thickness (m)	Total Depth (m)
Sandstone	2.6	2.6
Shale and sandstone	23.2	25.8
Coal with shale bands	1.6	27.4
Shale	5.0	32.4

Record No. 7396

Borehole No. 5-81 is in Tract 51, Claim C.

Strata	Thickness (m)	Total Depth (m)
Sandstone	23.4	23.4
Coal	1.0	24.4
Shale	5.0	29.4

Record No. 7397

Borehole No. 6-81 is in Tract 46, Claim O.

Strata	Thickness (m)	Total Depth (m)
Shale	2.6	2.6
Sandstone	12.8	15.4
Coal	1.3	16.7
Shale	3.7	20.4

Record No. 7398

Borehole No. 7-81 is in Tract 51, Claim C.

Strata	Thickness (m)	Total Depth (m)
Shale	2.6	2.6
Sandstone	21.0	23.6
Coal	1.2	24.8
Shale	4.5	29.3

Record No. 7399

Borehole No. 8-81 is in Tract 51, Claim C.

Strata	Thickness (m)	Total Depth (m)
Overburden	2.6	2.6
Shale and sandstone	18.2	20.8
Coal	0.6	21.4
Shale	4.9	26.3

Record No. 7400

Borehole No. 9-81 is in Tract 51, Claim D.

Strata	Thickness (m)	Total Depth (m)
Sandstone	21.0	21.0
Coal	1.0	22.0
Sandstone	4.3	26.3

Record No. 7401

Borehole No. 10-81 is in Tract 51, Claim D.

Strata	Thickness (m)	Total Depth (m)
Sandstone	17.3	17.3
Coal	1.0	18.3
Sandstone	5.0	23.3

Record No. 7402

Borehole No. 11-81 is in Tract 51, Claim D.

Strata	Thickness (m)	Total Depth (m)
Sandstone	16.3	16.3
Coal	1.0	17.3
Sandstone	3.0	20.3

Record No. 7403

Borehole No. 12-81 is in Tract 51, Claim D.

Strata	Thickness (m)	Total Depth (m)
Overburden	2.6	2.6
Sandstone	14.4	17.0
Coal	1.0	18.0
Sandstone	4.0	22.0

Record No. 7404

Borehole No. 1-81-A is in Tract 51, Claim D.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden	5.0	5.0
Shale, grey	49.0	54.0
Coal	1.0	55.0
Shale, grey	3.0	58.0
Coal	2.0	60.0
Shale and sandstone	33.0	93.0

Record No. 7405

Borehole No. 2-81-A is in Tract 52, Claim A.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden	5.0	5.0
Shale, grey	25.0	30.0
Coal	1.0	31.0
Shale, grey	3.0	34.0
Coal	3.0	37.0
Shale and sandstone	6.0	53.0

Record No. 7406

Borehole No. 3-81-A is in Tract 51, Claim D.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden	7.0	7.0
Shale and sandstone, grey	58.0	65.0
Coal	1.0	66.0
Shale, grey	5.0	71.0
Coal	2.0	73.0
Shale and sandstone, grey	17.0	90.0

Record No. 7407

Borehole No. 4-81-A is in Tract 52, Claim A.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden	9.0	9.0
Shale, grey	6.0	15.0
Coal	1.0	16.0
Shale, grey	11.0	27.0
Coal	3.0	30.0
Shale and sandstone, grey	33.0	63.0

Record No. 7408

Borehole No. 5-81-A is in Tract 52, Claim H.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden	4.0	4.0
Shale and sandstone, grey	47.0	51.0
Coal	1.0	52.0
Shale and sandstone, grey	14.0	66.0
Coal	3.0	69.0
Shale and sandstone, grey	4.0	93.0

Record No. 7409

Borehole No. 6-81-A is in Tract 52, Claim A.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden	5.0	5.0
Shale and sandstone, grey	28.0	33.0
Coal	3.0	36.0
Shale and sandstone, grey	27.0	63.0

Record No. 7410

Borehole No. 7-81-A is in Tract 52, Claim G.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden	3.0	3.0
Sandstone, grey	14.0	17.0
Coal	1.0	18.0
Shale, grey	19.0	37.0
Shale and sandstone, grey	36.0	73.0

Record No. 7411

Borehole No. 8-81-A is in Tract 52, Claim G.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden	5.0	5.0
Shale and sandstone, grey	27.0	32.0
Coal	2.0	34.0
Shale and sandstone, grey	39.0	73.0

Record No. 7412

Borehole No. 9-81-A is in Tract 52, Claim G.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden	8.0	8.0
Shale and sandstone, grey	38.0	46.0
Coal	2.0	48.0
Shale and sandstone, grey	8.0	56.0
Coal	2.0	58.0
Shale and sandstone, grey	25.0	83.0

Record No. 7413

Borehole No. 10-81-A is in Tract 52, Claim G.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden	6.0	6.0
Shale, grey	22.0	28.0
Coal	3.0	31.0
Shale and sandstone, grey	32.0	63.0

Record No. 7414

Borehole No. 11-81-A is in Tract 52, Claim G.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden	3.0	3.0
Shale, grey	35.0	38.0
Coal	1.0	39.0
Shale, grey	9.0	48.0
Coal	2.0	50.0
Shale and sandstone	33.0	83.0

Record No. 7415

Borehole No. 12-81-A is in Tract 52, Claim G.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden	6.0	6.0
Shale, grey	25.0	31.0
Coal	3.0	34.0
Shale and sandstone, grey	29.0	63.0

Record No. 7416

Borehole No. 13-81-A is in Tract 52, Claim G.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden	6.0	6.0
Shale and sandstone, grey	33.0	39.0
Coal	3.0	42.0
Shale and sandstone, grey	20.0	62.0

Record No. 7417

Borehole No. 14-81-A is in Tract 52, Claim F.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden	6.0	6.0
Shale, grey	6.0	12.0
Coal	1.0	13.0
Shale and sandstone, grey	7.0	20.0
Coal	3.0	23.0
Shale and sandstone, grey	40.0	63.0

Record No. 7418

Borehole No. 15-81-A is in Tract 52, Claim K.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden	7.0	7.0
Shale and sandstone, grey	40.0	47.0
Coal	1.0	48.0
Shale, grey	4.0	52.0
Coal	3.0	55.0
Shale and sandstone, grey	28.0	83.0

Record No. 7419

Borehole No. 16-81-A is in Tract 52, Claim G.

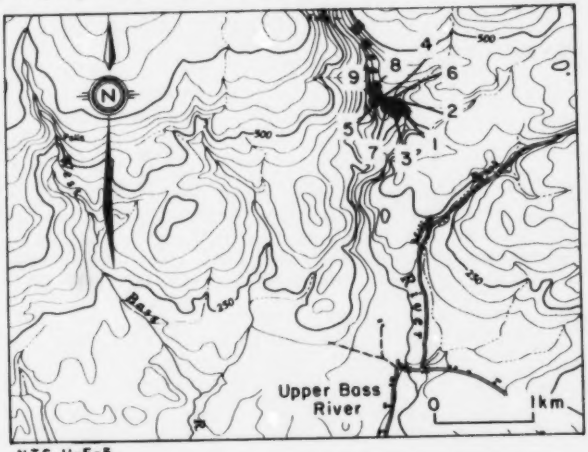
Strata	Thickness (ft.)	Total Depth (ft.)
Overburden	3.0	3.0
Sandstone and shale, grey	20.0	23.0
Coal	2.0	25.0
Shale and sandstone, grey	38.0	63.0

Record No. 7420

Borehole No. 17-81-A is in Tract 52, Claim H.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden	6.0	6.0
Shale and sandstone, grey	35.0	41.0
Coal	1.0	42.0
Shale, grey	16.0	58.0
Coal	2.0	60.0
Shale and sandstone, grey	23.0	83.0

From May 25 to June 8, 1981, there were three holes drilled in Bass River, Colchester County, for barite. The Department of Mines and Energy had the first hole drilled and the other two were drilled for Atlantic Combustion Products Ltd. Then from September 8 to 22 six more holes were drilled for Atlantic Barite Co. Ltd. All holes are located on Map Sheet 11E/5C, Tract 74, Claim H (Fig. 4).



N.T.S. 11-E-5

Figure 4. Bass River, Colchester County

Record No. 7421

Borehole No. 1.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden	14.0	14.0
Barite	22.0	36.0
Siltstone, red	49.0	85.0

Record No. 7422

Borehole No. 2.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden	27.0	27.0
Siltstone, bands of barite	29.0	56.0
Siltstone	38.0	94.0

Record No. 7423

Borehole No. 3.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden	36.0	36.0
Siltstone, red	25.0	61.0

Record No. 7424

Borehole No. 4.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden	8.0	8.0
Siltstone	188.0	196.0

Record No. 7425

Borehole No. 5.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden	40.0	40.0
Siltstone	45.0	85.0

Record No. 7426

Borehole No. 6.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden	10.0	10.0
Siltstone, bands of barite	72.0	82.0

Record No. 7427

Borehole No. 7.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden	22.0	22.0
Siltstone	11.0	33.0
Siltstone, bands of barite	62.0	95.0

Record No. 7428

Borehole No. 8.

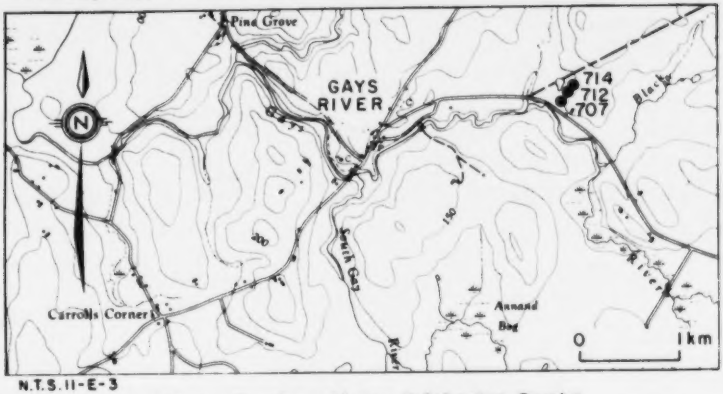
Strata	Thickness (ft.)	Total Depth (ft.)
Overburden	18.0	18.0
Siltstone, bands of barite	29.0	47.0

Record No. 7429

Borehole No. 9.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden	14.0	14.0
Siltstone, bands of barite	74.0	88.0

Diamond Drill No. 16 was hired by Canada Wide Mines Ltd. to drill three holes in the Gays River area, Colchester County. The purpose of drilling was testing for ore reserves. The work was carried out between June 16 and July 7, 1981. All holes are vertical and are located on Map Sheet 11E/3B, Tract 28, Claim M (Fig. 5).



N.T.S. 11-E-3

Figure 5. Gays River, Colchester County

Record No. 7430

Borehole No. 707.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden, clay and boulders	114.0	114.0
Limestone and clay, brown and grey	54.0	168.0
Limestone (with cavity and quartz boulders)	10.0	178.0

Record No. 7431

Borehole No. 712.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden, clay boulders and sand	150.0	150.0
Gypsum, and anhydrite	111.0	261.0
Dolomite, brown	11.0	272.0
Breccia, grey	2.0	274.0
Quartzite, grey	12.0	286.0

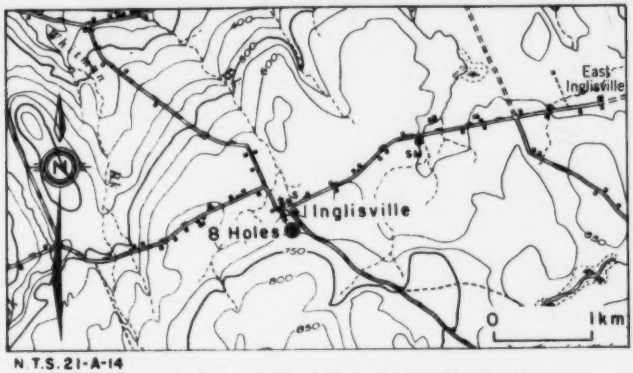
Record No. 7432

Borehole No. 714.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden, clay sand and boulders	60.0	60.0
Gypsum	22.0	82.0
Cavity	13.0	95.0

Gypsum, white	11.0	106.0
Clay, grey	14.0	120.0
Gypsum, white	66.0	186.0
Anhydrite, grey	79.0	265.0
Dolomite, grey	19.0	284.0
Breccia, grey	6.0	290.0
Quartzite, grey	16.0	306.0

Diamond Drill No. 19 was hired by Shell Canada Resources Limited from June 22 to July 10, 1981 to drill eight holes in Inglisville, Annapolis County. The purpose of drilling was for uranium. All holes are located on Map Sheet 21A/14A, Tract 91, Claim K (Fig. 6).



N.T.S. 21-A-14

Figure 6. Inglisville, Annapolis County

Record No. 7433

Borehole No. 1 was angled at 45° on a bearing N60°E.

Strata	Thickness (ft.)	Total Depth (ft.)
Quartzite, grey	20.0	20.0

Record No. 7434

Borehole No. 2 was angled at 45° on a bearing N60°E.

Strata	Thickness (ft.)	Total Depth (ft.)
Quartzite	40.0	40.0

Record No. 7435

Borehole No. 3 was angled at 60° on a bearing N60°E.

Strata	Thickness (ft.)	Total Depth (ft.)
Quartzite	30.0	30.0

Record No. 7436

Borehole No. 4 was angled at 45° on a bearing N60°E.

Strata	Thickness (ft.)	Total Depth (ft.)
Quartzite	21.0	21.0

Record No. 7437

Borehole No. 5 was angled at 45° on a bearing N60°E.

Strata	Thickness (ft.)	Total Depth (ft.)
Quartzite	20.0	20.0

Record No. 7438

Borehole No. 6 was angled at 45° on a bearing N60°E.

Strata	Thickness (ft.)	Total Depth (ft.)
Quartzite	41.0	41.0

Record No. 7439

Borehole No. 7 was angled at 45° on a bearing N60°E.

Strata	Thickness (ft.)	Total Depth (ft.)
Quartzite	41.0	41.0

Record No. 7440

Borehole No. 8 was angled at 45° on a bearing S60°W.

Strata	Thickness (ft.)	Total Depth (ft.)
Quartzite	20.0	20.0

Diamond Drill No. 16 was used by Thorburn Mining Ltd. to do split tube sampling on the old coal mine dump in Thorburn, Pictou County. Twenty-six holes were drilled between August 11 and 19, 1981. All holes are vertical and are located on Map Sheet 11E/10A, Tract 51, Claim L (Fig. 7).

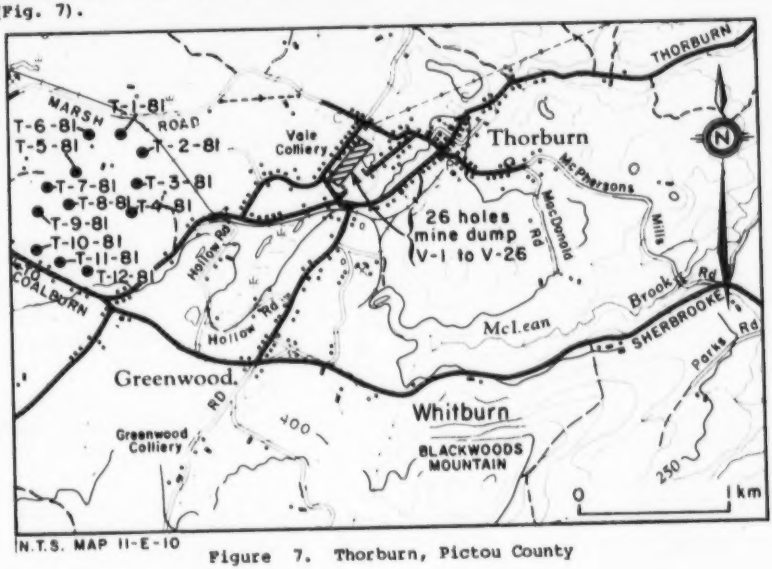


Figure 7. Thorburn, Pictou County

Record No. 7441

Testhole No. V-1.

Strata	Thickness (ft.)	Total Depth (ft.)
Dump material	28.0	28.0
Clay, red	2.0	30.0

Record No. 7442

Testhole No. V-2.

Strata	Thickness (ft.)	Total Depth (ft.)
Dump material	33.0	33.0
Clay, red	1.0	34.0

Record No. 7443

Testhole No. V-3.

Strata	Thickness (ft.)	Total Depth (ft.)
Dump material	23.0	23.0
Clay, brown	1.0	24.0

Record No. 7444

Testhole No. V-4.

Strata	Thickness (ft.)	Total Depth (ft.)
Dump material	14.0	14.0
Clay, brown	2.0	16.0

Record No. 7445

Testhole No. V-5.

Strata	Thickness (ft.)	Total Depth (ft.)
Dump material	12.0	12.0
Clay, brown	1.0	13.0

Record No. 7446

Testhole No. V-6.

Strata	Thickness (ft.)	Total Depth (ft.)
Dump material	3.0	3.0
Clay, brown	1.0	4.0

Record No. 7447

Testhole No. V-7.

Strata	Thickness (ft.)	Total Depth (ft.)
Dump material	7.0	7.0
Clay, brown	1.0	8.0

Record No. 7448

Testhole No. V-8.

Strata	Thickness (ft.)	Total Depth (ft.)
Dump material	5.0	5.0
Clay	1.0	6.0

Record No. 7449

Testhole No. V-9.

Strata	Thickness (ft.)	Total Depth (ft.)
Dump material	9.0	9.0
Clay, brown	1.0	10.0

Record No. 7450

Testhole No. V-10.

Strata	Thickness (ft.)	Total Depth (ft.)
Dump material	10.0	10.0
Clay, brown	2.0	12.0

Record No. 7451

Testhole No. V-11.

Strata	Thickness (ft.)	Total Depth (ft.)
Dump material	13.0	13.0
Clay, brown	1.0	14.0

Record No. 7452

Testhole No. V-12.

Strata	Thickness (ft.)	Total Depth (ft.)
Dump material	17.0	17.0
Clay, brown	1.0	18.0

Record No. 7453

Testhole No. V-13.

Strata	Thickness (ft.)	Total Depth (ft.)
Dump material	22.0	22.0
Clay, brown	2.0	24.0

Record No. 7454

Testhole No. V-14.

Strata	Thickness (ft.)	Total Depth (ft.)
Dump material	21.0	21.0
Clay, brown	1.0	22.0

Record No. 7455

Testhole No. V-15.

Strata	Thickness (ft.)	Total Depth (ft.)
Dump material	25.0	25.0
Clay, brown	1.0	26.0

Record No. 7456

Testhole No. V-16.

Strata	Thickness (ft.)	Total Depth (ft.)
Dump material	24.0	24.0
Clay, brown	2.0	26.0

Record No. 7457

Testhole No. V-17.

Strata	Thickness (ft.)	Total Depth (ft.)
Dump material	28.0	28.0
Clay, brown	1.0	29.0

Record No. 7458

Testhole No. V-18.

Strata	Thickness (ft.)	Total Depth (ft.)
Dump material	31.0	31.0
Clay, brown	1.0	32.0

Record No. 7459

Testhole No. V-19.

Strata	Thickness (ft.)	Total Depth (ft.)
Dump material	33.0	33.0
Clay, brown	1.0	34.0

Record No. 7460

Testhole No. V-20.

Strata	Thickness (ft.)	Total Depth (ft.)
Dump material	24.0	24.0
Clay, brown	1.0	25.0

Record No. 7461

Testhole No. V-21.

Strata	Thickness (ft.)	Total Depth (ft.)
Clay, brown	4.0	4.0

Record No. 7462

Testhole No. V-22.

Strata	Thickness (ft.)	Total Depth (ft.)
Dump material	2.0	2.0
Clay, brown	2.0	4.0

Record No. 7463

Testhole No. V-23.

Strata	Thickness (ft.)	Total Depth (ft.)
Dump material	4.0	4.0
Clay, brown	2.0	6.0

Record No. 7464

Testhole No. V-24.

Strata	Thickness (ft.)	Total Depth (ft.)
Dump material	7.0	7.0
Clay, brown	1.0	8.0

Record No. 7465

Testhole No. V-25.

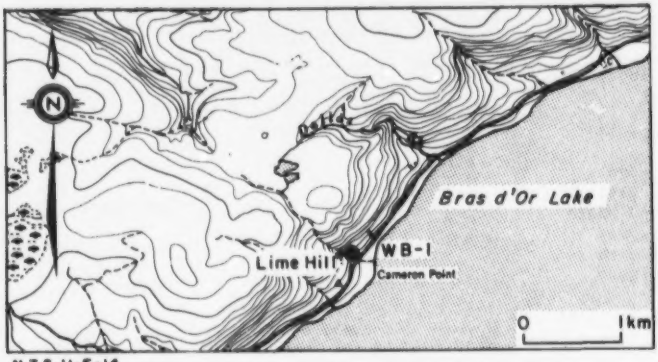
Strata	Thickness (ft.)	Total Depth (ft.)
Dump material	7.0	7.0
Clay, brown	1.0	8.0

Record No. 7466

Testhole No. V-26.

Strata	Thickness (ft.)	Total Depth (ft.)
Dump material	4.0	4.0
Clay, brown	2.0	6.0

The Winkie drill was hired by Richard Brent Marchant to drill a shallow hole in Lime Hill, Inverness County. The hole was drilled September 21, 1981. It is located by Map Reference 11F/14A, Tract 30, Claim F. The purpose was for base metals (Fig. 8).



N.T.S. 11-F-14

Figure 8. Lime Hill, Inverness County

Record No. 7467

Borehole No. WB-1.

Strata	Thickness (ft.)	Total Depth (ft.)
Gravel	40.0	40.0

Diamond Drill No. 19 was used to drill twelve holes in Coalburn, Pictou County, from October 2 to December 21, 1981. The drilling was done for the Coal Inventory Program. All holes are vertical and are on Map Sheet 11E/10A (Fig. 7).

Record No. 7468

Borehole No. T-1-81 is in Tract 52, Claim L.

Strata	Thickness (m)	Total Depth (m)
Overburden	8.0	8.0
Shale, black	9.8	17.8
Coal and shale, black	0.2	18.0
Shale, black	18.5	36.5
Coal and shale, black	1.2	37.7
Shale, black	8.9	46.6

Record No. 7469

Borehole No. T-2-81 is in Tract 52, Claim K.

Strata	Thickness (m)	Total Depth (m)
Overburden	5.5	5.5
Shale, grey	5.2	10.7
Coal and shale	1.3	12.0
Shale, grey	16.7	28.7
Coal and shale	0.7	29.4
Shale, grey	4.6	34.0

Record No. 7470

Borehole No. T-3-81 is in Tract 52, Claim K

Strata	Thickness (m)	Total Depth (m)
Overburden	8.6	8.6
Shale	4.3	12.9
Coal and shale	1.4	14.3
Shale	16.3	30.6
Coal and shale	6.2	36.8

Record No. 7471

Borehole No. T-4-81 is in Tract 52, Claim F.

Strata	Thickness (m)	Total Depth (m)
Overburden	7.5	7.5
Shale	3.2	10.7
Coal and shale	1.1	11.8
Shale	16.4	28.2
Coal and shale	1.1	29.3
Shale	6.2	35.5

Record No. 7472

Borehole No. T-5-81 is in Tract 52, Claim L.

Strata	Thickness (m)	Total Depth (m)
Overburden	9.4	9.4
Shale	10.9	20.3
Coal	1.0	21.3
Shale	19.6	40.9
Coal	1.0	41.9
Shale	5.6	47.5

Record No. 7473

Borehole No. T-6-81 is in Tract 52, Claim L.

Strata	Thickness (m)	Total Depth (m)
Overburden	8.4	8.4
Shale and sandstone	12.4	20.8
Coal and shale	1.3	22.1
Shale, sandstone bands	19.4	41.5
Coal	1.0	42.5
Shale, sandstone bands	5.0	47.5

Record No. 7474

Borehole No. T-7-81 is in Tract 52, Claim M.

Strata	Thickness (m)	Total Depth (m)
Overburden	8.8	8.8
Shale, sandstone bands	5.3	14.1
Coal	1.3	15.4
Shale	20.3	35.7
Coal	1.0	36.7
Shale	4.8	41.5

Record No. 7475

Borehole No. T-8-81 is in Tract 52, Claim F.

Strata	Thickness (m)	Total Depth (m)
Overburden	7.5	7.5
Shale	12.5	20.0
Coal	1.3	21.3
Shale	19.0	40.3
Coal	1.0	41.3
Shale	6.2	47.5

Record No. 7476

Borehole No. T-9-81 is in Tract 52, Claim E.

Strata	Thickness (m)	Total Depth (m)
Overburden	7.2	7.2
Shale	2.8	10.0
Coal	1.1	11.1
Shale	19.7	30.8
Coal	1.0	31.8
Shale	6.7	38.5

Record No. 7477

Borehole No. T-10-81 is in Tract 52, Claim E.

Strata	Thickness (m)	Total Depth (m)
Overburden	6.0	6.0
Shale, sandstone bands	8.0	14.0
Coal	1.0	15.0
Shale, sandstone bands	19.0	34.0
Coal	1.0	35.0
Shale, sandstone bands	6.5	41.5

Record No. 7478

Borehole No. T-11-81 is in Tract 52, Claim D.

Strata	Thickness (m)	Total Depth (m)
Overburden	7.5	7.5
Shale	11.4	18.9
Coal	1.6	20.5
Shale	16.6	37.1
Coal	1.2	38.3
Shale	6.2	44.5

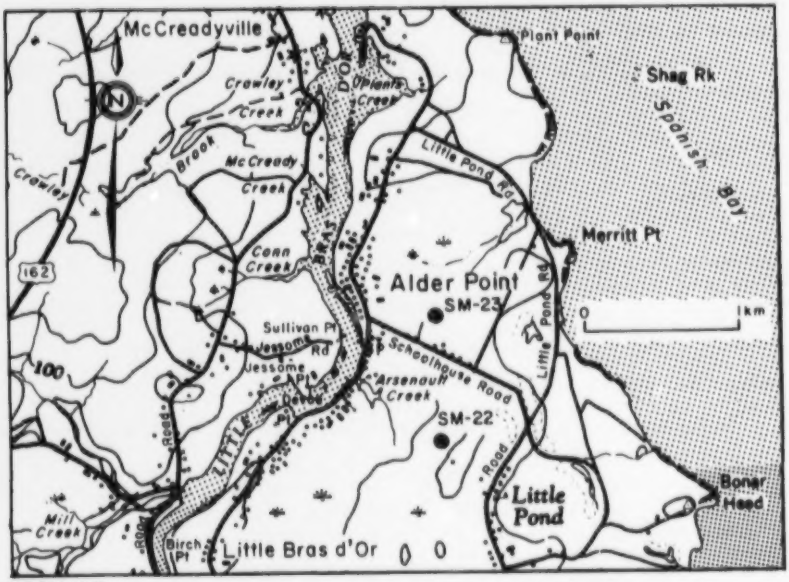
Record No. 7479

Borehole No. T-12-81 is in Tract 52, Claim C.

Strata	Thickness (m)	Total Depth (m)
Overburden	8.5	8.5
Shale	0.6	9.1
Coal	1.2	10.3
Shale, sandstone bands	16.2	26.5
Coal	1.1	27.6
Shale	7.9	35.5

From October 5 to December 16, 1981, drills 9 and 16 were used on the Coal Inventory Survey in Cape Breton County. There were two holes drilled in Alder Point on the Sydney Mines Project and fourteen holes in Reserve Mines on the Glace Bay Project. All holes are vertical.

Alder Point, Cape Breton County (Sydney Mines Project) (Fig. 9).



NTS 11-K-8

Figure 9. Alder Point, Cape Breton County

Record No. 7480

Borehole No. SM-22 is located by Map Reference 11K/8B-26-K "Alder Point".

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden	12.0	12.0
Sandstone and shale, grey	16.0	28.0
Coal and shale, black	2.0	30.0
Sandstone and shale, grey	32.0	62.0
Coal	2.0	64.0
Sandstone and shale, grey	14.0	78.0
Coal and shale, black	2.0	80.0
Sandstone and shale, grey	2.0	82.0
Coal	2.0	84.0
Sandstone and shale, grey	6.0	90.0
Coal and shale	2.0	92.0
Sandstone and shale, grey	30.0	122.0
Shale, grey	11.0	133.0

Record No. 7481

Borehole No. SM-23 is located by Map Reference 11K/8B-47-B "Alder Point".

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden	12.0	12.0
Shale, grey	65.0	77.0
Coal	2.0	79.0
Shale, grey	44.0	123.0
Coal	3.0	126.0
Shale	17.0	143.0

Reserve Mines, Cape Breton County (Glace Bay Project) (Fig. 10).

Record No. 7482

Borehole No. GB-35 is located by Map Reference 11K/1D-48-A.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden	14.0	14.0
Sandstone, grey	46.0	60.0
Sandstone and shale, grey	52.0	112.0
Coal and shale	3.0	115.0
Shale, grey	31.0	146.0
Coal	2.0	148.0
Shale, grey	19.0	167.0

Record No. 7483

Borehole No. GB-36 is located by Map Reference 11K/1D-48-A.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden	14.0	14.0
Sandstone and shale	56.0	70.0
Coal	3.0	73.0
Shale, grey	29.0	102.0
Coal	1.0	103.0
Shale, grey	20.0	123.0

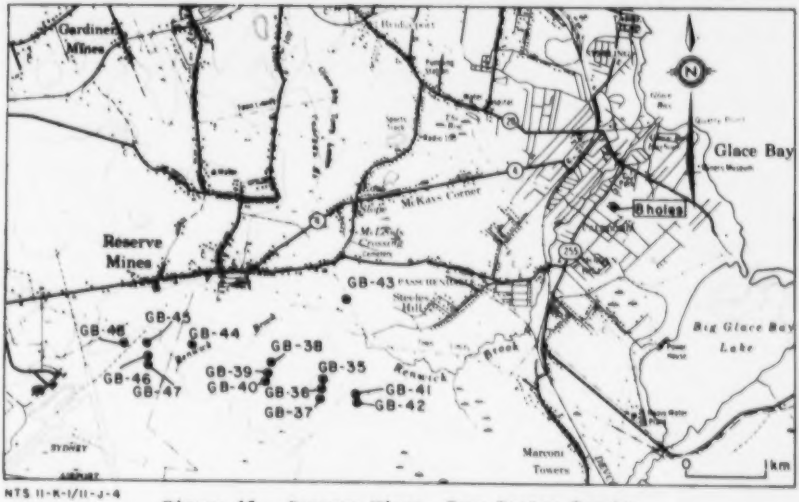


Figure 10. Reserve Mines, Cape Breton County

Record No. 7484

Borehole No. GB-37 is located by Map Reference 11K/1D-25-Q.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden	12.0	12.0
Shale, grey	11.0	23.0
Coal	5.0	28.0
Sandstone and shale, grey	26.0	54.0
Coal	3.0	57.0
Shale, grey	20.0	77.0

Record No. 7485

Borehole No. GB-38 is located by Map Reference 11K/1D-48-C.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden	12.0	12.0
Shale and sandstone, grey	52.0	64.0
Coal	5.0	69.0
Shale, grey	35.0	104.0
Coal	3.0	107.0
Shale and sandstone	20.0	127.0

Record No. 7486

Borehole No. GB-39 is located by Map Reference 11K/1D-48-C.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden	12.0	12.0
Clay, grey	6.0	18.0
Clay and coal	5.0	23.0
Sandstone and shale, grey	33.0	56.0
Coal	3.0	59.0
Sandstone and shale, grey	18.0	77.0

Record No. 7487

Borehole No. GB-40 is located by Map Reference 11K/1D-48-C.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden	10.0	10.0
Sandstone and shale, grey	8.0	18.0
Coal	2.0	20.0
Sandstone and shale, grey	23.0	43.0

Record No. 7488

Borehole No. GB-41 is located by Map Reference 11J/4C-37-D.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden	12.0	12.0
Sandstone and shale, grey	42.0	54.0
Coal	5.0	59.0
Shale, grey	16.0	75.0
Coal	2.0	77.0
Shale, grey	20.0	97.0

Record No. 7489

Borehole No. GB-42 is located by Map Reference 11J/4C-36-N.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden	12.0	12.0
Shale, grey	7.0	19.0
Coal	4.0	23.0
Shale, grey	19.0	42.0
Coal	3.0	45.0
Shale, grey	18.0	63.0

Record No. 7490

Borehole No. GB-43 is located by Map Reference 11J/4C-37-N.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden	12.0	12.0
Sandstone and shale, grey	28.0	40.0
Old workings	5.0	45.0
Sandstone and shale, grey	202.0	247.0
Shale and sandstone, grey	46.0	293.0

Record No. 7491

Borehole No. GB-44 is located by Map Reference 11K/1D-47-H.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden	12.0	12.0
Sandstone, rotten	5.0	17.0
Sandstone and shale, grey and brown	10.0	27.0
Sandstone and shale, grey	57.0	79.0
Coal	3.0	82.0
Sandstone and shale, grey	27.0	109.0
Coal	4.0	113.0
Sandstone and shale	20.0	133.0

Record No. 7492

Borehole No. GB-45 is located by Map Reference 11K/1D-47-F.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden	12.0	12.0
Shale and sandstone, grey	49.0	61.0
Coal	4.0	65.0
Shale, grey	32.0	97.0
Coal	4.0	101.0
Sandstone and shale, grey	20.0	121.0

Record No. 7493

Borehole No. GB-46 is located by Map Reference 11K/1D-47-F.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden	12.0	12.0
Sandstone and shale, grey	18.0	30.0
Coal	4.0	34.0
Shale, grey	26.0	60.0
Coal	4.0	64.0
Sandstone and shale, grey	18.0	82.0

Record No. 7494

Borehole No. GB-47 is located by Map Reference 11K/1D-47-C.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden	12.0	12.0
Shale, grey	15.0	27.0
Coal	4.0	31.0
Sandstone and shale, grey	20.0	51.0

Record No. 7495

Borehole No. GB-48 is located by Map Reference 11K/1D-47-F.

Strata	Thickness (ft.)	Total Depth (ft.)
Overburden	12.0	12.0
Sandstone and shale, grey	40.0	52.0
Coal and shale	4.0	56.0
Sandstone and shale, grey	32.0	88.0
Coal	3.0	91.0
Sandstone and shale, grey	22.0	113.0

The Department of Mines and Energy drills were employed by Jacques, Whitford and Associates from September 14, 1981 to January 25, 1982 to drill eight holes near the Glace Bay General Hospital. The purpose of drilling was to study the rock structure to determine if the area is suitable for foundations for a new hospital. All holes are vertical and are located by Map Reference 11J/4C-58-M (Fig. 10).

Record No. 7496

Borehole No. 1.

Strata	Thickness (m)	Total Depth (m)
Overburden, sand, boulders and clay	9.7	9.7
Shale, grey	16.3	26.0
Shale and sandy shale, grey	72.0	98.0
Old workings	3.0	101.0
Shale and sandstone, grey	46.5	147.5
Coal	1.1	148.6
Shale, grey	0.4	149.0
Shale and sandstone, grey	6.0	155.0

Record No. 7497

Borehole No. 2.

Strata	Thickness (m)	Total Depth (m)
Overburden, sand, gravel and clay	9.1	9.1
Shale and sandstone, grey	53.8	62.9
Coal	1.4	64.3
Shale and sandstone, grey	30.7	95.0
Old workings	3.0	98.0
Shale, grey	6.0	104.0

Record No. 7498

Borehole No. 3.

Strata	Thickness (m)	Total Depth (m)
Overburden, sand, gravel and clay	9.1	9.1
Shale, grey, sandy	34.9	44.0
Shale and sandstone, grey	18.0	62.0
Coal	1.0	63.0
Shale and sandstone, grey	30.8	93.8
Coal	3.2	97.0
Shale and sandstone, grey	7.0	104.0

Record No. 7499

Borehole No. 4.

Strata	Thickness (m)	Total Depth (m)
Overburden, sand	7.0	7.0
Shale and sandstone, grey	72.9	79.9
Old workings	4.8	84.7
Shale, sandy, grey	4.3	89.0

Record No. 7500

Borehole No. 5.

Strata	Thickness (m)	Total Depth (m)
Overburden, sand, clay and boulders	6.6	6.6
Shale and sandstone, grey	73.4	80.0
Shale, grey	7.0	87.0
Coal	3.1	90.1
Sandstone, grey	1.9	92.0

Record No. 7501

Borehole No. 6.

Strata	Thickness (m)	Total Depth (m)
Overburden, sand, clay and boulders	5.4	5.4
Shale and sandstone, grey	87.0	92.4
Old workings	5.0	97.4
Shale, grey	4.3	101.7

Record No. 7502

Borehole No. 7.

Strata	Thickness (m)	Total Depth (m)
Overburden, clay and sandstone	6.4	6.4
Shale, grey	1.6	8.0
Sandstone and shale, grey	24.6	32.6
Coal	1.0	33.6
Sandstone and shale, grey	16.9	50.5
Coal	0.5	51.0
Shale and sandstone, grey	6.2	57.2
Coal	1.3	58.5
Shale and sandstone, grey	32.4	90.9
Coal	2.3	93.2
Shale and sandstone, grey	4.8	98.0

Record No. 7503

Borehole No. 8.

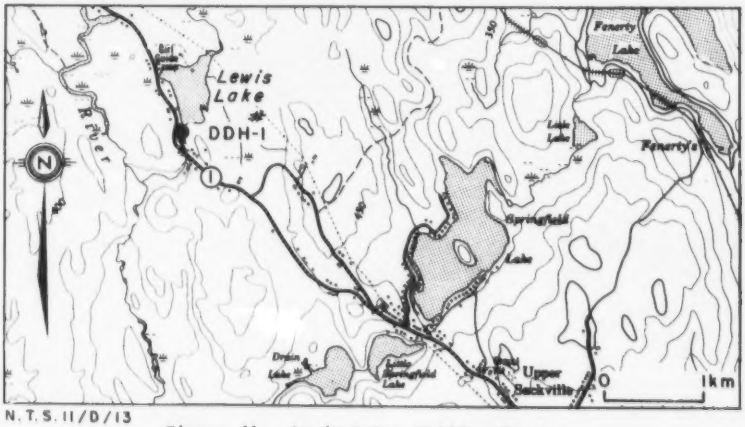
Strata	Thickness (m)	Total Depth (m)
Overburden, clay and sand	5.5	5.5
Shale, grey	2.5	8.0
Sandstone and shale, grey	25.0	33.0
Coal	1.0	34.0
Shale, grey	1.0	35.0
Shale and sandstone, grey	15.0	50.0
Shale, grey	7.0	57.0
Coal	2.0	59.0
Shale, grey	31.0	90.0
Old workings	4.5	94.5
Shale, grey	3.5	98.0

Diamond Drill No. 20 was used to drill a hole in Lewis Lake area, Halifax County. The drilling was done under Special Investigations, Nova Scotia Department of Mines and Energy, and the purpose of drilling was for geological information. The work was carried out from November 25, 1981 to February 11, 1982. The hole is vertical at the beginning, but was stopped at 365 m when it had deviated 22° from vertical (Fig. 11).

Record No. 7504

Borehole No. DDH-1 is located by Map Reference 11D/13B-71-B.

Strata	Thickness (m)	Total Depth (m)
Overburden	2.0	2.0
Quartzite, grey, hard	363.0	365.0



N.T.S. 11/D/13

Figure 11. Lewis Lake, Halifax County

APPENDIX I

RECORD OF DRILLHOLES

BY

RECORD NUMBER

RECORD OF DRILLHOLES BY RECORD NUMBER

Record of Boring	Date of Boring	Object of Boring	Location of Borehole	Depth in	
				Feet	Metres
7344	1981	Coal	Westville, Pictou County		30.9
7345	1981	Coal	Westville, Pictou County		49.6
7346	1981	Coal	Westville, Pictou County		17.4
7347	1981	Coal	Westville, Pictou County		32.4
7348	1981	Coal	Westville, Pictou County	63.0	
7349	1981	Coal	Westville, Pictou County	33.0	
7350	1981	Coal	Westville, Pictou County	25.0	
7351	1981	Coal	Westville, Pictou County	88.0	
7352	1981	Coal	Westville, Pictou County	87.0	
7353	1981	Coal	Westville, Pictou County	100.0	
7354	1981	Coal	Westville, Pictou County	33.0	
7355	1981	Coal	Westville, Pictou County	143.0	
7356	1981	Coal	Springhill, Cumberland County	592.0	
7357	1981	Coal	Springhill, Cumberland County	586.0	
7358	1981	Coal	Springhill, Cumberland County	438.0	
7359	1981	Coal	Springhill, Cumberland County		199.0
7360	1981	Coal	Springhill, Cumberland County	742.0	
7361	1981	Coal	Springhill, Cumberland County	657.0	
7362	1981	Coal	Springhill, Cumberland County	532.0	
7363	1981	Coal	Springhill, Cumberland County	720.0	
7364	1981	Coal	Springhill, Cumberland County	652.0	
7365	1981	Coal	Springhill, Cumberland County	533.0	
7366	1981	Coal	Springhill, Cumberland County	216.0	
7367	1981	Coal	Springhill, Cumberland County	85.0	
7368	1981	Coal	Springhill, Cumberland County	1002.0	
7369	1981	Coal	Springhill, Cumberland County	96.0	
7370	1981	Coal	Springhill, Cumberland County	100.0	
7371	1981	Coal	Springhill, Cumberland County	338.0	
7372	1981	Coal	Springhill, Cumberland County	202.0	
7373	1981	Coal	Springhill, Cumberland County	254.0	
7374	1981	Coal	Springhill, Cumberland County	150.0	
7375	1981	Coal	Springhill, Cumberland County	803.0	
7376	1981	Coal	Springhill, Cumberland County	253.0	
7377	1981	Coal	Springhill, Cumberland County	131.0	
7378	1981	Coal	Springhill, Cumberland County	265.0	
7379	1981	Coal	Springhill, Cumberland County	323.0	
7380	1981	Coal	Springhill, Cumberland County	453.0	
7381	1981	Coal	Springhill, Cumberland County	282.0	
7382	1981	Coal	Springhill, Cumberland County	423.0	
7383	1981	Coal	Springhill, Cumberland County	605.0	
7384	1981	Coal	Springhill, Cumberland County	382.0	
7385	1981	Coal	Springhill, Cumberland County	50.0	
7386	1981	Coal	Springhill, Cumberland County	50.0	
7387	1981	Coal	Springhill, Cumberland County	32.0	
7388	1981	Coal	Springhill, Cumberland County	36.0	
7389	1981	Coal	Springhill, Cumberland County	45.0	
7390	1981	Coal	Springhill, Cumberland County	65.0	
7391	1981	Coal	Springhill, Cumberland County	60.0	
7392	1981	Coal	Point Aconi, Cape Breton County		20.0
7393	1981	Coal	Point Aconi, Cape Breton County		26.4
7394	1981	Coal	Point Aconi, Cape Breton County		29.4

Record of Boring	Date of Boring	Object of Boring	Location of Borehole	Depth in	
				Feet	Metres
7395	1981	Coal	Point Aconi, Cape Breton County		32.4
7396	1981	Coal	Point Aconi, Cape Breton County		29.4
7397	1981	Coal	Point Aconi, Cape Breton County		20.4
7398	1981	Coal	Point Aconi, Cape Breton County		29.3
7399	1981	Coal	Point Aconi, Cape Breton County		26.3
7400	1981	Coal	Point Aconi, Cape Breton County		26.3
7401	1981	Coal	Point Aconi, Cape Breton County		23.3
7402	1981	Coal	Point Aconi, Cape Breton County		20.3
7403	1981	Coal	Point Aconi, Cape Breton County		22.0
7404	1981	Coal	Point Aconi, Cape Breton County	93.0	
7405	1981	Coal	Point Aconi, Cape Breton County	53.0	
7406	1981	Coal	Point Aconi, Cape Breton County	90.0	
7407	1981	Coal	Point Aconi, Cape Breton County	63.0	
7408	1981	Coal	Point Aconi, Cape Breton County	93.0	
7409	1981	Coal	Point Aconi, Cape Breton County	63.0	
7410	1981	Coal	Point Aconi, Cape Breton County	73.0	
7411	1981	Coal	Point Aconi, Cape Breton County	73.0	
7412	1981	Coal	Point Aconi, Cape Breton County	83.0	
7413	1981	Coal	Point Aconi, Cape Breton County	63.0	
7414	1981	Coal	Point Aconi, Cape Breton County	83.0	
7415	1981	Coal	Point Aconi, Cape Breton County	63.0	
7416	1981	Coal	Point Aconi, Cape Breton County	62.0	
7417	1981	Coal	Point Aconi, Cape Breton County	63.0	
7418	1981	Coal	Point Aconi, Cape Breton County	83.0	
7419	1981	Coal	Point Aconi, Cape Breton County	63.0	
7420	1981	Coal	Point Aconi, Cape Breton County	83.0	
7421	1981	Barite	Bass River, Colchester County	85.0	
7422	1981	Barite	Bass River, Colchester County	94.0	
7423	1981	Barite	Bass River, Colchester County	61.0	
7424	1981	Barite	Bass River, Colchester County	196.0	
7425	1981	Barite	Bass River, Colchester County	85.0	
7426	1981	Barite	Bass River, Colchester County	82.0	
7427	1981	Barite	Bass River, Colchester County	95.0	
7428	1981	Barite	Bass River, Colchester County	47.0	
7429	1981	Barite	Bass River, Colchester County	88.0	
7430	1981	Base Metal	Gays River, Halifax County	178.0	
7431	1981	Base Metal	Gays River, Halifax County	286.0	
7432	1981	Base Metal	Gays River, Halifax County	306.0	
7433	1981	Uranium	Inglisville, Annapolis County	20.0	
7434	1981	Uranium	Inglisville, Annapolis County	40.0	
7435	1981	Uranium	Inglisville, Annapolis County	30.0	
7436	1981	Uranium	Inglisville, Annapolis County	21.0	
7437	1981	Uranium	Inglisville, Annapolis County	20.0	
7438	1981	Uranium	Inglisville, Annapolis County	41.0	
7439	1981	Uranium	Inglisville, Annapolis County	41.0	
7440	1981	Uranium	Inglisville, Annapolis County	20.0	
7441	1981	Sampling Coal Dump	Thorburn, Pictou County	30.0	
7442	1981	Sampling Coal Dump	Thorburn, Pictou County	34.0	
7443	1981	Sampling Coal Dump	Thorburn, Pictou County	24.0	
7444	1981	Sampling Coal Dump	Thorburn, Pictou County	16.0	
7445	1981	Sampling Coal Dump	Thorburn, Pictou County	13.0	

Record of Boring	Date of Boring	Object of Boring	Location of Borehole	Depth in	
				Feet	Metres
7446	1981	Sampling Coal Dump	Thorburn, Pictou County	4.0	
7447	1981	Sampling Coal Dump	Thorburn, Pictou County	8.0	
7448	1981	Sampling Coal Dump	Thorburn, Pictou County	6.0	
7449	1981	Sampling Coal Dump	Thorburn, Pictou County	10.0	
7450	1981	Sampling Coal Dump	Thorburn, Pictou County	12.0	
7451	1981	Sampling Coal Dump	Thorburn, Pictou County	14.0	
7452	1981	Sampling Coal Dump	Thorburn, Pictou County	18.0	
7453	1981	Sampling Coal Dump	Thorburn, Pictou County	24.0	
7454	1981	Sampling Coal Dump	Thorburn, Pictou County	22.0	
7455	1981	Sampling Coal Dump	Thorburn, Pictou County	26.0	
7456	1981	Sampling Coal Dump	Thorburn, Pictou County	26.0	
7457	1981	Sampling Coal Dump	Thorburn, Pictou County	29.0	
7458	1981	Sampling Coal Dump	Thorburn, Pictou County	32.0	
7459	1981	Sampling Coal Dump	Thorburn, Pictou County	34.0	
7460	1981	Sampling Coal Dump	Thorburn, Pictou County	25.0	
7461	1981	Sampling Coal Dump	Thorburn, Pictou County	4.0	
7462	1981	Sampling Coal Dump	Thorburn, Pictou County	4.0	
7463	1981	Sampling Coal Dump	Thorburn, Pictou County	6.0	
7464	1981	Sampling Coal Dump	Thorburn, Pictou County	8.0	
7465	1981	Sampling Coal Dump	Thorburn, Pictou County	8.0	
7466	1981	Sampling Coal Dump	Thorburn, Pictou County	6.0	
7467	1981	Base Metals	Lime Hill, Inverness County	40.0	
7468	1981	Coal	Coalburn, Pictou County		46.6
7469	1981	Coal	Coalburn, Pictou County		34.0
7470	1981	Coal	Coalburn, Pictou County		36.8
7471	1981	Coal	Coalburn, Pictou County		35.5
7472	1981	Coal	Coalburn, Pictou County		47.5
7473	1981	Coal	Coalburn, Pictou County		47.5
7474	1981	Coal	Coalburn, Pictou County		41.5
7475	1981	Coal	Coalburn, Pictou County		47.5
7476	1981	Coal	Coalburn, Pictou County		38.5
7477	1981	Coal	Coalburn, Pictou County		41.5
7478	1981	Coal	Coalburn, Pictou County		44.5
7479	1981	Coal	Coalburn, Pictou County		35.5
7480	1981	Coal	Alder Point, Cape Breton County	133.0	
7481	1981	Coal	Alder Point, Cape Breton County	143.0	
7482	1981	Coal	Reserve Mines, Cape Breton County	167.0	
7483	1981	Coal	Reserve Mines, Cape Breton County	123.0	
7484	1981	Coal	Reserve Mines, Cape Breton County	77.0	
7485	1981	Coal	Reserve Mines, Cape Breton County	127.0	
7486	1981	Coal	Reserve Mines, Cape Breton County	77.0	
7487	1981	Coal	Reserve Mines, Cape Breton County	43.0	
7488	1981	Coal	Reserve Mines, Cape Breton County	97.0	
7489	1981	Coal	Reserve Mines, Cape Breton County	63.0	
7490	1981	Coal	Reserve Mines, Cape Breton County	293.0	
7491	1981	Coal	Reserve Mines, Cape Breton County	133.0	
7492	1981	Coal	Reserve Mines, Cape Breton County	121.0	
7493	1981	Coal	Reserve Mines, Cape Breton County	82.0	
7494	1981	Coal	Reserve Mines, Cape Breton County	51.0	
7495	1981	Coal	Reserve Mines, Cape Breton County	113.0	
7496	1981	Structure	Glace Bay, Cape Breton County		155.0

Record of Boring	Date of Boring	Object of Boring	Location of Borehole	Depth in	
				Feet	Metres
7497	1981	Structure	Glace Bay, Cape Breton County		104.0
7498	1981	Structure	Glace Bay, Cape Breton County		104.0
7499	1981	Structure	Glace Bay, Cape Breton County		89.0
7500	1981	Structure	Glace Bay, Cape Breton County		92.0
7501	1981	Structure	Glace Bay, Cape Breton County		101.7
7502	1981	Structure	Glace Bay, Cape Breton County		98.0
7503	1981	Structure	Glace Bay, Cape Breton County		98.0
7504	1981	Geological Information	Lewis Lake, Halifax County		365.0

APPENDIX II

RECORD OF DRILLHOLES

BY

CLAIM MAP

RECORD OF DRILLHOLES BY CLAIM MAP

CLAIM MAP 11D/13B

Location of Drillhole(s): Lewis Lake, Halifax County
Drilling Objective: Geological information

Tract 71	Claim(s)	B	Record Number(s)	7504

CLAIM MAP 11E/3B

Location of Drillhole(s): Gays River, Halifax County
Drilling Objective: Base metals

Tract 28	Claim(s)	M	Record Number(s)	7430 to 7432

CLAIM MAP 11E/5C

Location of Drillhole(s): Bass River, Colchester County
Drilling Objective: Barite

Tract 74	Claim(s)	H	Record Number(s)	7421 to 7429

CLAIM MAP 11E/10A

Location of Drillhole(s): Westville, Pictou County
Drilling Objective: Coal

Tract 39	Claim(s)	D	Record Number(s)	7344 to 7347
		N		7348 to 7352 and 7354, 7355
Tract 38	Claim(s)	Q	Record Number(s)	7353

Location of Drillhole(s): Coalburn, Pictou County
Drilling Objective: Coal

Tract 52	Claim(s)	L	Record Number(s)	7468, 7472, 7473
		K		7469, 7470
		F		7471, 7475
		M		7474
		E		7476, 7477
		D		7478
		C		7479

Location of Drillhole(s): Thorburn, Pictou County
Drilling Objective: Sampling coal dump

Tract 51	Claim(s)	L	Record Number(s)	7441 to 7466

CLAIM MAP 11F/14A

Location of Drillhole(s): Lime Hill, Inverness County
Drilling Objective: Base metals

Tract 30	Claim(s)	F	Record Number(s)	7467

CLAIM MAP 11J/4C

Location of Drillhole(s): Glace Bay, Cape Breton County
Drilling Objective: Structure

Tract 58	Claim(s)	M	Record Number(s)	7496 to 7503

Location of Drillhole(s): Reserve Mines, Cape Breton County
Drilling Objective: Coal

Tract 37	Claim(s)	D	Record Number(s)	7488
		N		7490
Tract 36	Claim(s)	N	Record Number(s)	7489

CLAIM MAP 11E/1D

Location of Drillhole(s): Reserve Mines, Cape Breton County
Drilling Objective: Coal

Tract 48	Claim(s)	A	Record Number(s)	7482, 7483
		C		7485 to 7487
Tract 25	Claim(s)	Q	Record Number(s)	7484
Tract 47	Claim(s)	H	Record Number(s)	7491
		F		7492, 7493, 7495
		C		7494

CLAIM MAP 11E/8B

Location of Drillhole(s): Point Aconi, Cape Breton County
Drilling Objective: Coal

Tract 43	Claim(s)	O	Record Number(s)	7392
Tract 51	Claim(s)	C		7393 to 7396, 7398, 7399
		D		7400 to 7404, 7406
Tract 46	Claim(s)	O	Record Number(s)	7397
Tract 52	Claim(s)	A	Record Number(s)	7405, 7407, 7409
		H		7408, 7420
		G		7410 to 7416, 7419
		F		7417
		K		7418

Location of Drillhole(s): Alder Point, Cape Breton County
Drilling Objective: Coal

Tract 26	Claim(s)	K	Record Number(s)	7480
Tract 47	Claim(s)	B	Record Number(s)	7481

CLAIM MAP 21A/14A

Location of Drillhole(s): Inglisville, Annapolis County
Drilling Objective: Uranium

Tract 91	Claim(s)	K	Record Number(s)	7433 to 7440

CLAIM MAP 21H/9A

Location of Drillhole(s): Springhill, Cumberland County
Drilling Objective: Coal

Tract 100	Claim(s)	O	Record Number(s)	7356, 7362,
		N		7360, 7363
				7364, 7375

CLAIM MAP 21H/9D

Location of Drillhole(s): Springhill, Cumberland County
Drilling Objective: Coal

Tract 4	Claim(s)	C	Record Number(s)	7357, 7358,
				7376, 7379 to
				7382, 7384 to
				7391
		D		7359, 7361, 7383
		F		7365, 7371 to
				7373
		B		7366, 7367, 7369
		G		7370, 7374,
				7377, 7378
Tract 101	Claim(s)	Q	Record Number(s)	7368